

**Amendments to the Drawings**

Applicant provides attached hereto replacement sheets with corrections to FIGURES 2 and 3 of the drawings. An arrow line from de-emphasis block 101 to interpolation filter block 104A was inadvertently omitted in each of these originally filed drawings and is now added in each of the respective figures in the replacement sheets.

**REMARKS**

This response and amendment is submitted in response to the non-final Office Action dated June 2, 2005 (hereafter "office action"), having a shortened three-month statutory period set to expire October 2, 2005 with a one-month extension of time to respond. The examiner had rejected pending claims 1 to 6, 9 to 14, and 17 to 22 for the reason stated in the office action. The examiner also allowed the remaining claims 7, 8, 15, 16, 23, and 24, and applicant appreciates the examiner's allowance of these claims in the office action.

**I. Drawing Correction.**

Applicant has provided replacement sheets with corrections to FIGURES 2 and 3 of the drawings. An arrow line from de-emphasis block 101 to interpolation filter block 104A was inadvertently omitted in each of these originally filed drawings and is now added in each of the respective figures in the replacement sheets.

**II. Objections to Disclosure and Claims**

The examiner objected to the disclosure based on improper grammar on page 3, line 17 and claim 9, line 2 since "a" should be deleted. Applicant has made the deletions at the appropriate places.

The examiner also objected to claims 1, 7, 17, and 23. The examiner indicated that in claim 1, line 2, "an integrated circuit" lacks clear antecedent basis based on the examiner's belief that it is unclear if this "integrated circuit" is the same integrated circuit recited on line 1 of the claim or if it is a different integrated circuit. Applicant has changed the word "an" to "the" since it is the same "integrated circuit". Applicant has also made the same change in claim 2, line 2 and claim 9, line 2.

The examiner further objected to claims 7, 17, and 23 since the second period at the end of the claim should be deleted. Claims 7 and 23 have been cancelled without prejudice, and thus the objections to these claims are now moot. Applicant has deleted the second period at the end of claim 17.

Therefore, the disclosure and claims 1, 9, and 17 have now been amended to overcome all of the examiner's objections.

### **III. Rejections under 35 U.S.C. Secs. 102 and 103**

The examiner rejected claims 1 to 4, 6, 9 to 12, and 14 under 35 U.S.C. Sec. 102(b) as being anticipated by U.S. Patent No. 5,155,730 to Maida (hereafter "the Maida reference") for the reasons indicated in the office action. The examiner also rejected claims 5, 13, and 17 to 22 under 35 U.S.C. Sec. 103(a) as being rendered obvious by the Maida reference. However, applicant has decided to instead amend independent claims 1, 9, and 17 without prejudice to bring in all of the recited features of respective allowable dependent claims 8, 16, and 24. Thus, amended claims 1, 9, and 17 are now allowable claims 8, 16, and 24 re-written in independent form. Dependent claims 2 to 5, 10 to 13, and 18 to 21 are allowable since they follow in dependency from respective claims 1, 9, and 17, as amended. Applicant has also decided to add new claims 25, 26, and 27, which are corresponding allowable claims 7, 15, and 23 re-written in independent form. Claims 6, 7, 8, 14, 15, 16, 22, 23, and 24 have been cancelled without prejudice.


The examiner also noted on page 4 of the office action that the "remaining references on the attached PTO-892 form are also seen to anticipate at least independent claims 1 and 9". However, the examiner has not established a prima facie case of anticipation of these claims based on those references, so the examiner either has not or cannot properly reject these claims based on those remaining references.

The specification, drawings, and claims as originally filed fully support the amendments to the specification, drawings, and claims. Therefore, the application with pending claims 1 to 5, 9 to 13, 17 to 21, and 25 to 27, as respectively amended or added, is now in condition for allowance, and allowance is earnestly solicited. Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

A one-month extension fee is due by the filing of this Response and Amendment. Please consider this paragraph such a Request for term, and charge such fees to Cirrus Logic Deposit Account No. 03-2028/1445-CA. Also, if any other fees are due by the filing of the enclosed documents, including any fees incurred by any other extension of term, please consider this paragraph such Request for additional term, and charge any other fees associated with the Request or any other fees incurred by the filing of this document to Cirrus Logic Deposit Account No. 03-2028/1445-CA.

Respectfully submitted,

Date: October 3, 2005

By:   
Steven Lin  
Registration No. 35,250

CIRRUS LOGIC, INC.  
Legal Department  
2901 Via Fortuna  
Austin, Texas 78746  
Telephone: (512)851-4465  
Fax: (512) 851-4500